

L Number	Hits	Search Text	DB	Time stamp
1	3	((("3590702") or ("4152943") or ("4454780"))).PN.	USPAT	2003/02/27 23:27
2	0	(2003/0021629).CCLS.	USPAT; US-PGPUB	2003/02/27 23:27
3	0	2003/0021629	US-PGPUB	2003/02/27 23:27
-	1	("4481835").PN.	USPAT	2002/05/13 10:01
-	0	404/\$.ccls. and 4481835.pn.	USPAT	2002/04/26 10:31
-	964	(first or second or inner or outer) same (eccentric near5 (weight or mass\$2))	USPAT	2002/04/28 14:37
-	111926	var\$5 and vibrat\$3	USPAT	2002/04/28 17:17
-	1170756	variable or vary or varying	USPAT	2002/04/26 13:06
-	598	((first or second or inner or outer) same (eccentric near5 (weight or mass\$2))) and vibrat\$3	USPAT	2002/04/26 16:13
-	178	((first or second or inner or outer) same (eccentric near5 (weight or mass\$2))) and vibrat\$3 and frequenc\$3 and amplitude	USPAT	2002/04/26 16:13
-	0	(first or second or inner or outer) same (eccentric near5 (weight or mass\$2))	US-PGPUB; EPO; JPO; DERWENT	2002/04/26 16:13
-	291	(first or second or inner or outer) same (eccentric near5 (weight or mass\$2))	US-PGPUB; EPO; JPO	2002/04/26 16:13
-	131	((first or second or inner or outer) same (eccentric near5 (weight or mass\$2))) and vibrat\$3	US-PGPUB; EPO; JPO	2002/04/26 16:13
-	7	((first or second or inner or outer) same (eccentric near5 (weight or mass\$2))) and vibrat\$3 and frequenc\$3 and amplitude	US-PGPUB; EPO; JPO	2002/04/26 16:14
-	557	(first or second or inner or outer) same (eccentric near5 (weight or mass\$2))	US-PGPUB; EPO; JPO; DERWENT	2002/04/28 14:38
-	24996	var\$5 and vibrat\$3	US-PGPUB; EPO; JPO; DERWENT	2002/04/28 14:39
-	64	((first or second or inner or outer) same (eccentric near5 (weight or mass\$2))) and (var\$5 and vibrat\$3)	US-PGPUB; EPO; JPO; DERWENT	2002/04/28 14:39
-	647	((404/103) or (404/117) or (404/122) or (404/130)).CCLS.	USPAT; US-PGPUB	2002/04/28 17:56
-	306	((404/117) or (404/130)).CCLS.	USPAT; US-PGPUB	2002/04/28 15:29
-	1	("4586847").PN.	USPAT; US-PGPUB	2002/04/28 15:39
-	3	4586847.URPN.	USPAT	2002/04/28 15:29
-	11	("2703490" "3108520" "3257918" "3543656" "3616730" "3656419" "3722381" "3814532" "3896677" "3909147" "4113034").PN.	USPAT	2002/04/28 15:32
-	1	("4561319").PN.	USPAT; US-PGPUB	2002/04/28 16:33
-	5	4561319.URPN.	USPAT	2002/04/28 15:40
-	5	("2248182" "2930244" "3026781" "4289042" "4481835").PN.	USPAT	2002/04/28 15:41
-	6	4481835.URPN.	USPAT	2002/04/28 15:44

-	11	("2930244" "3192839" "4108009" "4211121" "4319857" "4350460" "4353261" "4356736" "4367054" "4412757" "4440034").PN.	USPAT	2002/04/28 15:45
-	6	4481835.URPN.	USPAT	2002/04/28 15:54
-	381	((404/103) or (404/122)).CCLS.	USPAT; US-PGPUB	2002/04/28 16:34
-	339	((404/103) or (404/122)).CCLS.) not ((404/117) or (404/130)).CCLS.)	USPAT	2002/04/28 16:34
-	341	((404/103) or (404/122)).CCLS.) not ((404/117) or (404/130)).CCLS.)	USPAT; US-PGPUB	2002/04/28 17:16
-	111926	var\$5 and vibrat\$3	USPAT	2002/04/28 17:49
-	551036	amplitude or frequency	USPAT	2002/04/29 14:31
-	248890	(amplitude or frequency) same (index\$3 or adjust\$3 chang\$3 or var\$4)	USPAT	2002/04/28 17:50
-	248890	(amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)	USPAT	2002/04/28 18:05
-	248890	((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (amplitude or frequency)	USPAT	2002/04/29 14:32
-	562	((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (amplitude or frequency)) and (eccentric near3 (weight or mass\$2))	USPAT	2002/04/29 16:04
-	44	((404/103) or (404/117) or (404/122) or (404/130)).CCLS.) and (((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (amplitude or frequency)) and (eccentric near3 (weight or mass\$2)))	USPAT	2002/04/28 17:45
-	2	("3590702" or "4454780").PN.	USPAT	2002/04/28 17:45
-	4	4454780.URPN.	USPAT	2002/04/28 17:45
-	10	("2677967" "2937537" "3277731" "3339422" "3433311" "3590702" "3736066" "4108009" "4152943" "4211121").PN.	USPAT	2002/04/28 17:47
-	6	3590702.URPN.	USPAT	2002/04/28 17:47
-	8	("2954726" "3145631" "3192839" "3283679" "3395626" "3411420" "3416419" "3437019").PN.	USPAT	2002/04/28 17:48
-	8	("2954726" "3145631" "3192839" "3283679" "3395626" "3411420" "3416419" "3437019").PN.	USPAT	2002/04/28 17:49
-	6	3590702.URPN.	USPAT	2002/04/28 17:49
-	11213	var\$5 and vibrat\$3	USOCR	2002/04/28 17:50
-	190170	amplitude or frequency	USOCR	2002/04/28 18:05
-	132611	(amplitude or frequency) same (index\$3 or adjust\$3 chang\$3 or var\$4)	USOCR	2002/04/28 17:52
-	132611	(amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)	USOCR	2002/04/28 17:53
-	607	(amplitude or frequency) and (eccentric near3 (weight or mass\$2))	USOCR	2002/04/28 18:01
-	387	((404/103) or (404/117) or (404/122) or (404/130)).CCLS.	USOCR	2002/04/28 17:57
-	15	((amplitude or frequency) and (eccentric near3 (weight or mass\$2))) and (((404/103) or (404/117) or (404/122) or (404/130)).CCLS.)	USOCR	2002/04/29 14:35
-	429	((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (eccentric near3 (weight or mass\$2))	USOCR	2002/04/28 18:01

-	10	((404/103) or (404/117) or (404/122) or (404/130)).CCLS.) and ((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (eccentric near3 (weight or mass\$2)))	USOCR	2002/04/28 18:01
-	913992	amplitude or frequency	US-PGPUB; EPO; JPO; DERWENT	2002/04/28 18:05
-	184995	(amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)	US-PGPUB; EPO; JPO; DERWENT	2002/04/28 18:06
-	147	((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (eccentric near3 (weight or mass\$2)))	US-PGPUB; EPO; JPO; DERWENT	2002/04/28 18:07
-	10	5177415.URPN.	USPAT	2002/04/28 18:26
-	5	5164641.URPN.	USPAT	2002/04/28 18:26
-	12	((404/133.05-133.2).CCLS.) and (((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (amplitude or frequency)) and (eccentric near3 (weight or mass\$2)))	USPAT	2002/04/28 18:30
-	451	(404/133.05-133.2).CCLS.	USPAT	2002/04/28 18:32
-	992	((74/61) or (74/87)).CCLS.	USPAT;	2002/04/29 15:24
-	579785	amplitude or frequency	USPAT;	2002/04/29 15:24
-	2359162	(index\$3 or adjust\$3 or chang\$3 or var\$4)	US-PGPUB	2002/04/29 15:24
-	260594	(amplitude or frequency) same ((index\$3 or adjust\$3 or chang\$3 or var\$4))	USPAT;	2002/04/29 14:35
-	2514	(eccentric near3 (weight or mass\$2))	US-PGPUB	2002/04/29 15:24
-	588	((amplitude or frequency) same ((index\$3 or adjust\$3 or chang\$3 or var\$4)) and ((eccentric near3 (weight or mass\$2)))	USPAT;	2002/04/29 14:38
-	90	((74/61) or (74/87)).CCLS.) and (((amplitude or frequency) same ((index\$3 or adjust\$3 or chang\$3 or var\$4)) and ((eccentric near3 (weight or mass\$2)))	USPAT;	2002/04/29 14:38
-	684	((74/61) or (74/87)).CCLS.	USOCR	2002/04/29 15:24
-	190170	amplitude or frequency	USOCR	2002/04/29 15:24
-	1399743	(index\$3 or adjust\$3 or chang\$3 or var\$4)	USOCR	2002/04/29 15:26
-	1803	(eccentric near3 (weight or mass\$2))	USOCR	2002/04/29 15:26
-	132611	(amplitude or frequency) same ((index\$3 or adjust\$3 or chang\$3 or var\$4))	USOCR	2002/04/29 15:27
-	429	((eccentric near3 (weight or mass\$2))) and ((amplitude or frequency) same ((index\$3 or adjust\$3 or chang\$3 or var\$4))	USOCR	2002/04/29 15:27
-	105	((74/61) or (74/87)).CCLS.) and ((eccentric near3 (weight or mass\$2))) and ((amplitude or frequency) same ((index\$3 or adjust\$3 or chang\$3 or var\$4))))	USOCR	2002/04/29 16:03

-	75	(("4454780") or ("4499779") or ("6234718") or ("4342523") or ("4586847") or ("4595384") or ("4759659") or ("5209331") or ("5788408") or ("5868522") or ("5984572") or ("4089616") or ("3598029") or ("4152943") or ("4319857") or ("4350460") or ("4362431") or ("4592696") or ("4964753") or ("5697733") or ("6132133") or ("4265130") or ("3828864") or ("4042181") or ("4617832") or ("4758114") or ("4804463") or ("4927289") or ("4928554") or ("4940336") or ("5014564") or ("5283970") or ("5392898") or ("5584375") or ("6033031") or ("6145652") or ("6321610") or ("5320448") or ("4353261") or ("4367054") or ("5387052") or ("3561336") or ("5678271") or ("6109111") or ("4577995") or ("5618133") or ("4950135") or ("4276157") or ("4340469") or ("4616716") or ("4959950") or ("5178258") or ("5367505") or ("4807487") or ("6161650") or ("4312242") or ("4619532") or ("4819740") or ("5564824") or ("5988297") or ("3859759") or ("4040303") or ("4149530") or ("4108009") or ("4288165") or ("4301625") or ("4319993") or ("4329817") or ("4340351") or ("4343568") or ("4348912") or ("4425813") or ("4452016") or ("4461122") or ("4495826")).PN.	USPAT	2002/04/29 16:03
-	562	((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (amplitude or frequency)) and (eccentric near3 (weight or mass\$2))	USPAT	2002/04/29 16:07

-	26	((("4454780") or ("4499779") or ("6234718") or ("4342523") or ("4586847") or ("4595384") or ("4759659") or ("5209331") or ("5788408") or ("5868522") or ("5984572") or ("4089616") or ("3598029") or ("4152943") or ("4319857") or ("4350460") or ("4362431") or ("4592696") or ("4964753") or ("5697733") or ("6132133") or ("4265130") or ("3828864") or ("4042181") or ("4617832") or ("4758114") or ("4804463") or ("4927289") or ("4928554") or ("4940336") or ("5014564") or ("5283970") or ("5392898") or ("5584375") or ("6033031") or ("6145652") or ("6321610") or ("5320448") or ("4353261") or ("4367054") or ("5387052") or ("3561336") or ("5678271") or ("6109111") or ("4577995") or ("5618133") or ("4950135") or ("4276157") or ("4340469") or ("4616716") or ("4959950") or ("5178258") or ("5367505") or ("4807487") or ("6161650") or ("4312242") or ("4619532") or ("4819740") or ("5564824") or ("5988297") or ("3859759") or ("4040303") or ("4149530") or ("4108009") or ("4288165") or ("4301625") or ("4319993") or ("4329817") or ("4340351") or ("4343568") or ("4348912") or ("4425813") or ("4452016") or ("4461122") or ("4495826")).PN.) and (((amplitude or frequency) same (index\$3 or adjust\$3 or chang\$3 or var\$4)) and (amplitude or frequency)) and (eccentric near3 (weight or mass\$2)))	USPAT	2002/04/29 16:08
-	1	("4152943").PN.	USPAT	2002/05/12 15:18
-	1	("4586847").PN.	USPAT	2002/05/12 16:03
-	11	("2703490" "3108520" "3257918" "3543656" "3616730" "3656419" "3722381" "3814532" "3896677" "3909147" "4113034").PN.	USPAT	2002/05/12 15:18
-	3891	handwheel or 'hand-wheel' and spokes	USPAT	2002/05/12 16:06
-	137747	(404/\$ or 74/\$).ccls.	USPAT	2002/05/12 16:04
-	252	(handwheel or 'hand-wheel' and spokes) and ((404/\$ or 74/\$).ccls.)	USPAT	2002/05/12 16:04
-	1998	((404/103) or (404/117) or (404/122) or (404/130) or (404/133.05-133.2) or (74/61) or (74/87)).CCLS.	USPAT	2002/05/12 16:05
-	5	(handwheel or 'hand-wheel' and spokes) and (((404/103) or (404/117) or (404/122) or (404/130) or (404/133.05-133.2) or (74/61) or (74/87)).CCLS.)	USPAT	2002/05/12 16:05
-	99	(handwheel or 'hand-wheel') and spokes	USPAT	2002/05/12 16:07
-	0	((handwheel or 'hand-wheel') and spokes) and (((404/103) or (404/117) or (404/122) or (404/130) or (404/133.05-133.2) or (74/61) or (74/87)).CCLS.)	USPAT	2002/05/12 16:06

-	8	((404/\$ or 74/\$).ccls.) and ((handwheel or 'hand-wheel') and spokes)	USPAT	2002/05/12 16:07
-	4	((("4527680") or ("4152943") or ("6241420") or ("4454780")).PN.	USPAT	2002/05/13 10:02
-	1	("4350460").PN.	USPAT	2003/02/27 12:10
-	934	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130)).CCLS.	USPAT; US-PGPUB	2003/02/27 14:54
-	1862	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.	USPAT; US-PGPUB	2003/02/27 15:03
-	3186	eccentric near5 (weight or mass\$2)	USPAT; US-PGPUB	2003/02/27 15:03
-	254	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))	USPAT; US-PGPUB	2003/02/27 15:00
-	249	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)	USPAT; US-PGPUB	2003/02/27 15:04
-	1222	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.	USOCR	2003/02/27 15:03
-	2146	eccentric near5 (weight or mass\$2)	USOCR	2003/02/27 15:04
-	265	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))	USOCR	2003/02/27 15:04
-	253	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)	USOCR	2003/02/27 15:04
-	202	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)) and (index\$3 or adjust\$3 or chang\$3 or var\$4)	USOCR	2003/02/27 15:07
-	213	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)) and (index\$3 or adjust\$3 or chang\$3 or vary or varying)	USOCR	2003/02/27 15:06
-	214	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)) and (index\$3 or adjust or adjusted or adjusting or chang\$3 or vary or varying or varied)	USOCR	2003/02/27 15:08
-	221	((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)) and (index\$3 or adjust\$3 or chang\$3 or var\$4)	USPAT; US-PGPUB	2003/02/27 16:30
-	4	((("4152943") or ("4454780") or ("4527680") or ("6241420")).PN.	USPAT	2003/02/27 19:25

-	4	4454780.URPN.	USPAT	2003/02/27 16:36
-	10	("2677967" "2937537" "3277731" "3339422" "3433311" "3590702" "3736066" "4108009" "4152943" "4211121").PN.	USPAT	2003/02/27 16:41
-	6	4152943.URPN.	USPAT	2003/02/27 16:46
-	6	("3026781" "3590702" "3722381" "3736066" "3871788" "3892496").PN.	USPAT	2003/02/27 16:48
-	6	4152943.URPN.	USPAT	2003/02/27 16:52
-	3	((("3590702") or ("2937537") or ("4350460"))).PN.	USPAT	2003/02/27 16:57
-	8	("2954726" "3145631" "3192839" "3283679" "3395626" "3411420" "3416419" "3437019").PN.	USPAT	2003/02/27 16:53
-	6	3590702.URPN.	USPAT	2003/02/27 16:55
-	8	("2954726" "3145631" "3192839" "3283679" "3395626" "3411420" "3416419" "3437019").PN.	USPAT	2003/02/27 16:55
-	6	2937537.URPN.	USPAT	2003/02/27 16:56
-	3	4350460.URPN.	USPAT	2003/02/27 16:56
-	5	((("3590702") or ("2937537") or ("4350460") or ("4152943") or ("4454780"))).PN.	USPAT	2003/02/27 19:09
-	764	(sodium adj bentonite) same bentonite	USPAT	2003/02/27 19:09
-	764	(sodium adj bentonite)and bentonite	USPAT	2003/02/27 19:10
-	764	(sodium adj bentonite)near7 bentonite	USPAT	2003/02/27 19:11
-	214	(((((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and (eccentric near5 (weight or mass\$2))) and (vibrat\$3 or amplitude or frequenc\$3 or phase)) and (index\$3 or adjust or adjusted or adjusting or chang\$3 or vary or varying or varied)	USOCR	2003/02/27 19:18
-	53	(((((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and drum and engine	USPAT; US-PGPUB	2003/02/27 19:26
-	28	(((((404/102-103) or (404/113) or (404/117) or (404/122) or (404/130) or (74/61) or (74/87)).CCLS.) and drum and engine) and pump and motor	USPAT; US-PGPUB	2003/02/27 23:25